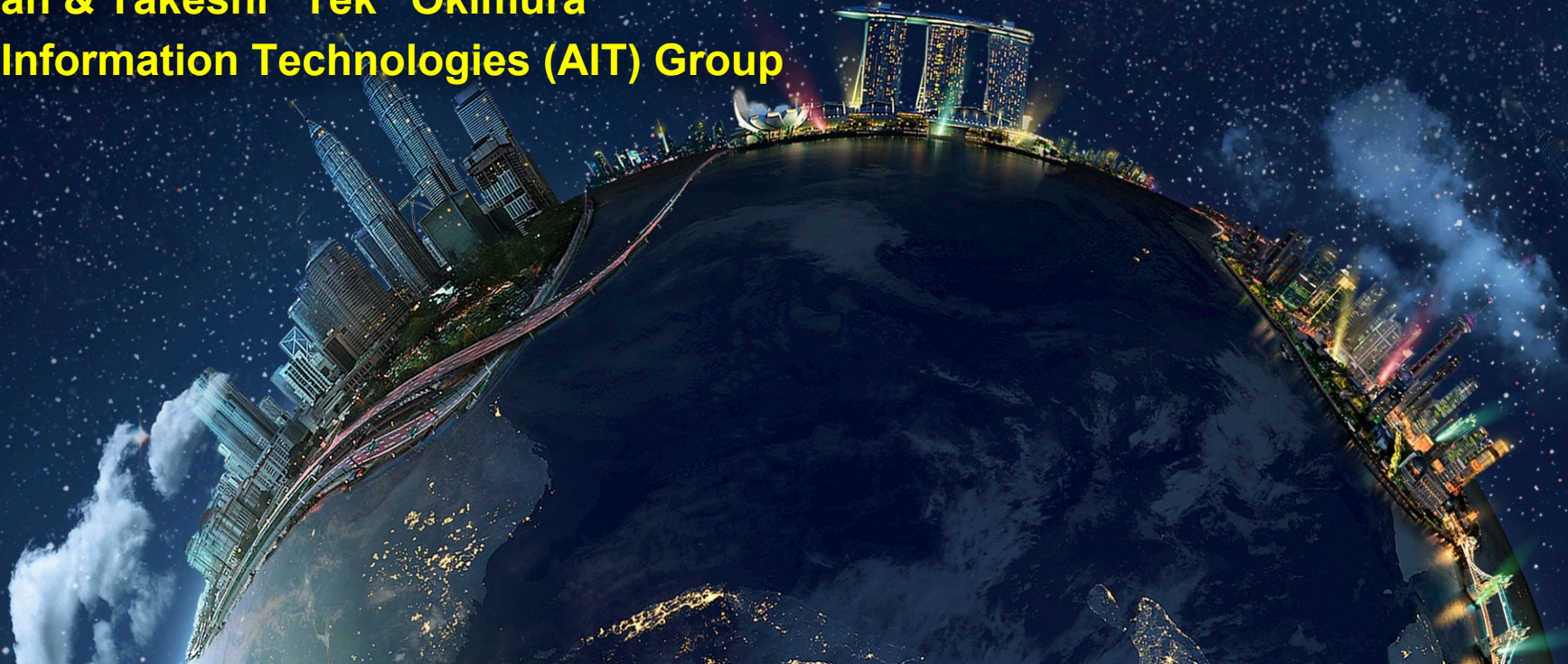NASA TECH TRANSFER

BRINGING NASA TECHNOLOGY DOWN TO EARTH

NASA Technology Transfer System

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Advanced Information Technologies (AIT) Group

NASA's Technology Transfer System (NTTS)

NTTS is the IT infrastructure for the Agency's Technology Transfer (T2) program containing 60,000+ technology portfolio supporting all ten NASA field centers and HQ. It is the enterprise IT system for facilitating the Agency's technology transfer process, which includes reporting of new technologies (e.g., technology & invention disclosures – NF1679), protecting intellectual properties (e.g., patents), and commercializing technologies through various technology licenses, software releases, spinoffs, and success stories using custom built workflow, reporting, data consolidation, integration, and search engines.
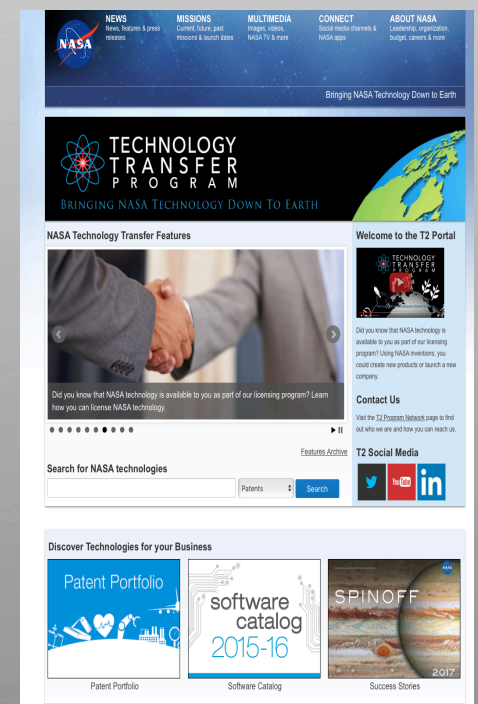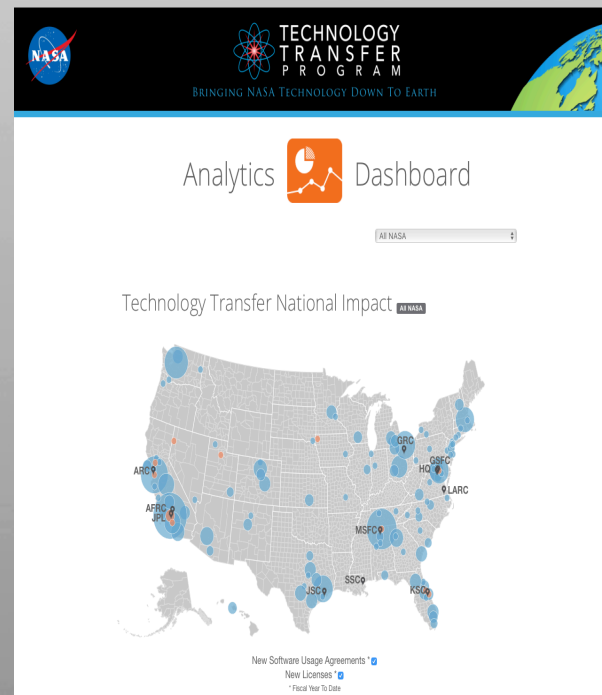
Project Management, Software Development, Operations & Technical Support led by Intelligent Systems Division (ARC-TI).

General Public T2 Web Assets:
https://technology.nasa.gov/
https://software.nasa.gov
https://invention.nasa.gov
https://quicklaunch.nasa.gov
https://icb.nasa.gov

NASA Internal Reporting Assets:
https://ntts.arc.nasa.gov

NASA Technology Transfer System

A scalable enterprise infrastructure supporting the entire T2 organization and beyond.

NASA TECH TRANSFER

Information Collection

A scalable data architecture built to grow and adapt to changing conditions. NTTS collects information from T2 field offices, patent attorneys, innovators, companies and more.

Workflow Automation

Automating workflow to standardize and streamline tech transfer business rules. Resulting in improved efficiency, standardized processes and reducing errors.

Communication Automation

Constant flow of information between people in and out of the Technology Transfer Program to increase productivity.

Reporting Automation

Provide visibility and insight into all aspects of NASA's Technology Transfer Program.

Reporting New Technologies

## e-NTR: Electronic New Technology Reporting System

- **Technology transfer tracking begins with innovators reporting new technologies.**

- **Built in workflow to streamline the review of new technology reports.**

- **Eliminate manual processing of paperwork.**

- **Inventions are assigned a "Case Number" to track the technology through tech transfer pipeline.**

Tracking Technologies

NTTS Database
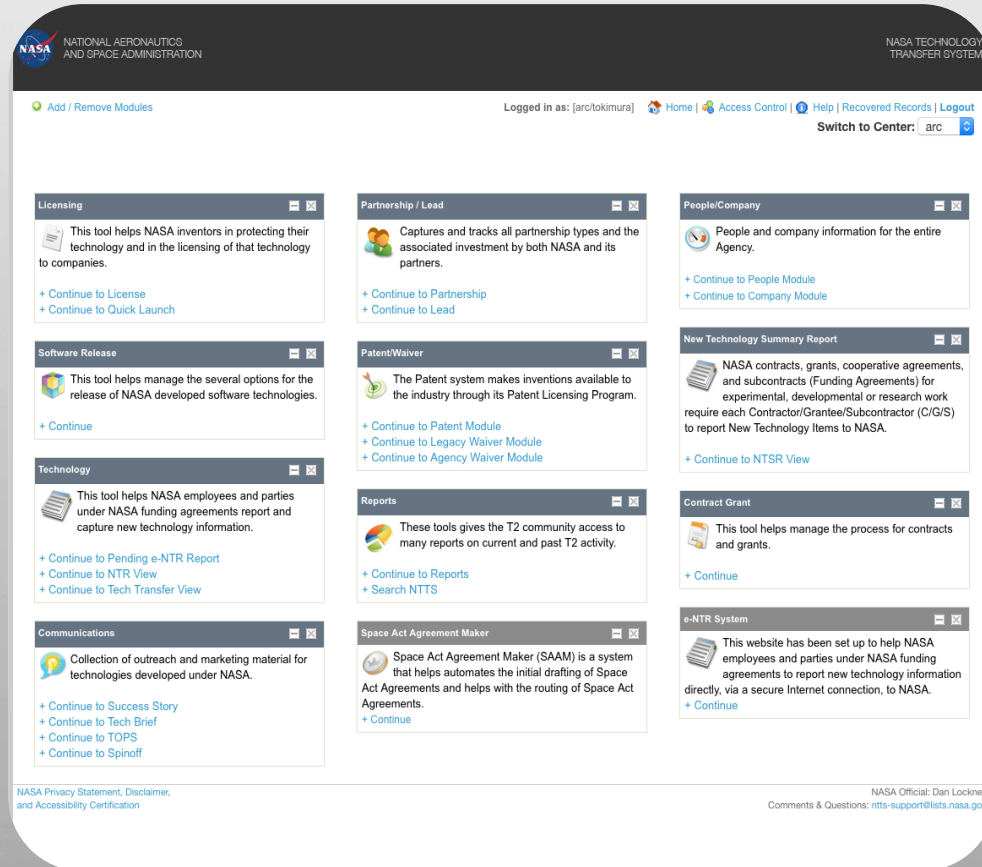
- **Database is backbone to NASA's Technology Transfer IT infrastructure.**

- **Database contains over 15 data modules to manage and track tech transfer activities:**

  Invention Disclosure, Patent, License, Software Release, Contracts/Grants, Partnerships, Leads, Awards, Marketing, Success Stories and more.

- **NTTS Database also supports NASA's two core mechanisms to transfer technologies:**

  Software Release and Patent Licensing

Releasing NASA Software

SRS: Software Release System

- **Electronic document routing system to assist in streamlining and automating agency software release process.**

- **Increase efficiency by routing software release requests in parallel, replacing manual, serial review process**

- **Improve metrics capture, allowing problems in the release process to be identified and corrected in a timely manner**

- **Once approved for release, Software Release Managers can release the software to the Software Catalog with the push of one button.**

Software Is Now Available for Release

NASA's Software Catalog
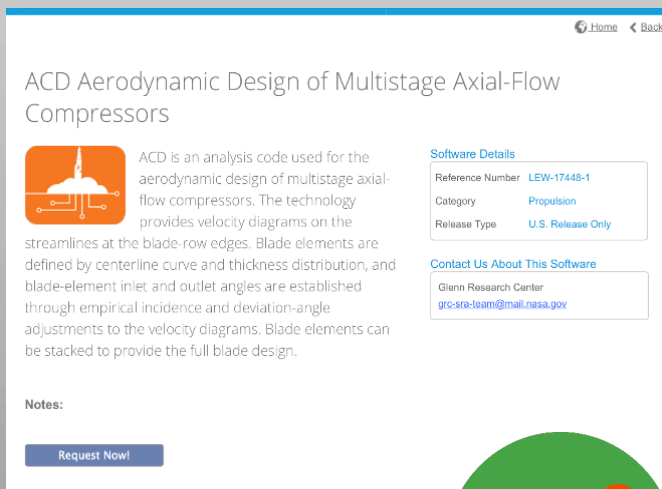
Find…

Request…

Sign & Receive

- ■ **The NASA Software Catalog site lists hundreds of software codes that users from a wide array of industries and fields of study can browse in order to answer their software needs.**

- ■ **Simplified and streamlined into three steps:**
  1) **Find software that best fits your needs**
  2) **Submit a request for the software**
  3) **Sign agreement and receive software**

- ■ **Automates the production of Software Usage Agreements, eliminating the need for managers to manually produce agreements.**

Marketing Patented Technologies
TOPS: Technology Opportunity Sheet

- All patented technologies now conform to the Agency patent data sheet template.

- All information is entered into the NTTS Database and data sheets are produced on the fly.

- Benefits:

  Eliminated the need for graphic designers

  Agency branding

  Database driven

- All patent data sheets are automatically published to an online patent portfolio.

Digital Patent Portfolio

Centralized

Offering the full agency portfolio of active patents and patents pending from 10 field centers to the public through the NASA Technology Transfer Portal at http://technology.nasa.gov

Categorized

Entire patent portfolio sorted into 15 technology categories, ranging from robotics to manufacturing, and assessed for maturity and commercial potential.

Integrated

Integrated with the NASA Technology Transfer System to automatically publish new patents daily. Integrated with the NASA Patent Portfolio iPad App to publish portfolio across various digital media.

Applying for a License
ATLAS: Automated Technology License Application System

License Application for LEW-TOPS-56

- One stop shop for companies to apply for licenses on NASA technologies
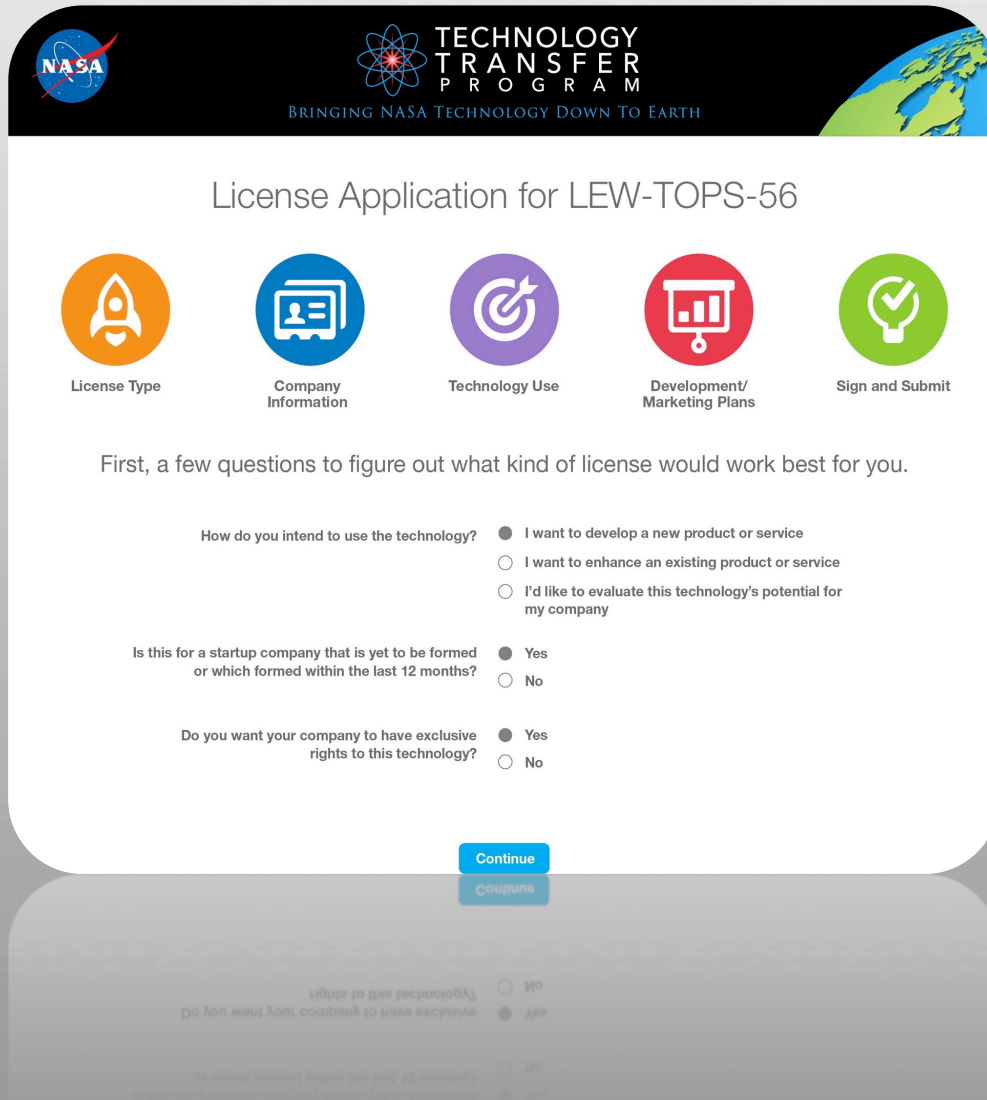
- Simple and interactive user interface to maximize user experience

- Addresses the following problems:
  - Centralized location to apply for licenses
  - Unifies and streamlines Center application processes into a single Agency process
  - Eliminate manual processing of license applications
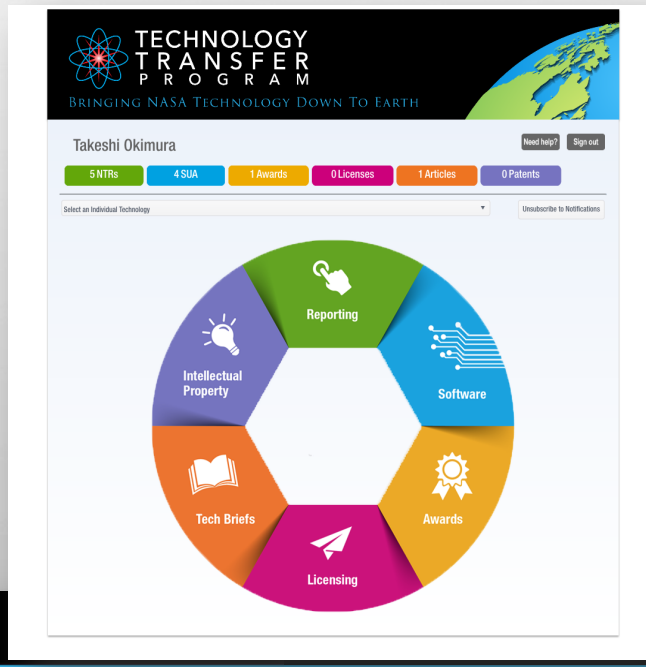
Reporting

Reporting to Innovators

**Innovator Dashboard allows innovators to track the progress of his/her innovation as it goes through the technology transfer process.**

Reporting to NASA & OMB

Every month, NTTS's reporting engine produces and delivers a metrics workbook reporting the status of each field center across a variety of different measures, with ten year trends and center comparisons. The same metrics are published to OMB each year.
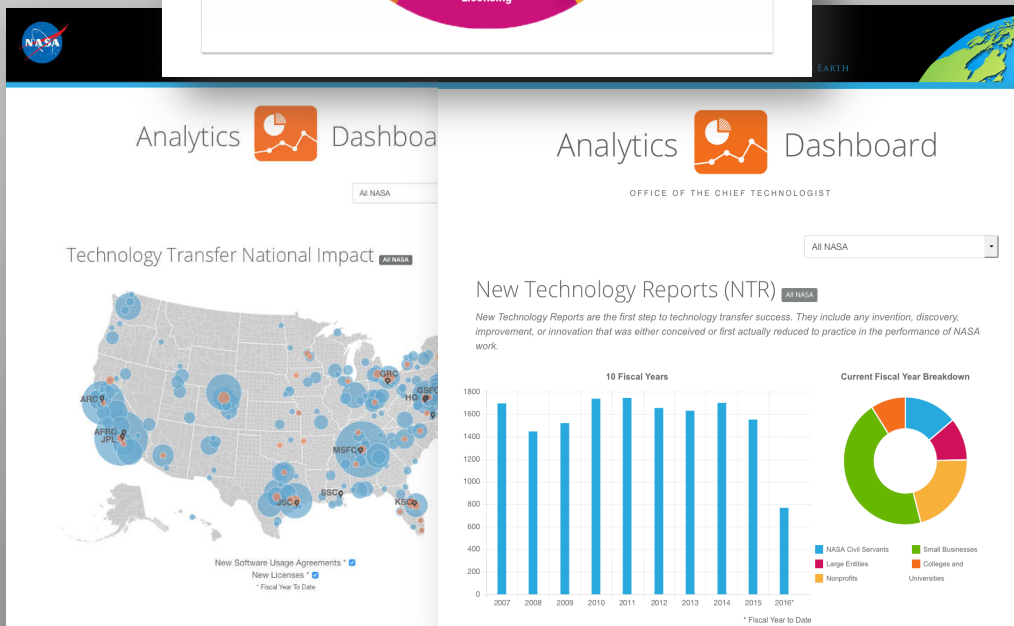
Reporting to the Public

The T2 Portal Dashboard increase transparency into tech transfer efforts and the shows impact the program is making across the nation.

General Public Links

- **T2 Portal**
  https://technology.nasa.gov

- **Patent Portfolio**
  https://technology.nasa.gov/patents

- **iPad App**
  https://technology.nasa.gov/app

- **Dashboard**
  https://technology.nasa.gov/dashboard

- **Software Catalog**
  https://software.nasa.gov

- **Electronic NTR**
  https://invention.nasa.gov